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## TROUBLESHOOTING

### Unit Fails to Jump-Start
- Make sure unit's power switch is in the ON position.
- Check that Jump-Starter/Inflator has a full charge.
- Make sure a proper polarity cable connection has been established (see "Using the Unit as a Jump-Starter," page 3).

### 12 Volt Outlet Fails to Deliver Power
- Make sure a proper 12 volt adapter connection has been established.
- Check that the unit has a full charge.

### 12 Volt Outlet Shuts Off
Disconnect unit and allow to cool for 10 minutes.

***Note: When pulling more than 5 amps from the 12 volt outlet, unit will shut off.***

### LED Area Light Does Not Come On
- Check that the unit has a full charge.

## SPECIFICATIONS

| | |
|---|---|
| Jump-Start Clamps: | 300 amps – heavy-duty copper |
| Jumper Cables: | #6 AWG welding cable |
| Instant Amps: | 300 |
| 5 Second Amp: | 225 |
| Battery High Density AGM: | 12 volt, 9 Ah, sealed, lead-acid |
| Worklight Bulb: | Long-life LED |
| Accessory Outlet Protection: | 5 amps, self-resetting breaker |



BLACK&DECKER®

VEC1031CBD

# START-IT®
# Jump-Starter/Inflator/ Rechargeable Power Supply

## USER'S MANUAL & WARRANTY INFORMATION

**IMPORTANT SAFETY INFORMATION, SAVE THESE INSTRUCTIONS**

TO REDUCE THE RISK OF INJURY, USER MUST READ AND UNDERSTAND THIS INSTRUCTIONAL MANUAL. THIS MANUAL CONTAINS IMPORTANT INFORMATION REGARDING THE OPERATION AND WARRANTY OF THIS PRODUCT. PLEASE RETAIN FOR FUTURE REFERENCE.

4140 S.W. 30th Ave., Ft. Lauderdale, FL 33312 U.S.
Toll Free: (800) 618-5178

**www.vectormfg.com**

# IMPORTANT SAFETY INSTRUCTIONS

**WARNINGS**

1. **RISK OF EXPLOSIVE GAS MIXTURES — WORKING IN THE VICINITY OF A LEAD-ACID BATTERY IS DANGEROUS. BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL BATTERY OPERATION. FOR THIS REASON, IT IS OF UTMOST IMPORTANCE THAT EACH TIME BEFORE USING THIS UNIT, YOU READ THIS MANUAL AND FOLLOW THE INSTRUCTIONS EXACTLY.**
2. **To reduce risk of battery explosion, follow these instructions and those published by the battery manufacturer and manufacturer of any equipment you intend to use in vicinity of battery. Review cautionary markings on these products and on engine.**
3. **This equipment employs parts (switches, relays, etc.) that produce arcs or sparks. Therefore, if used in a garage or enclosed area, the unit MUST be placed not less than 18 inches above the floor.**

## Battery Safety

1. When working with lead-acid batteries, always make sure immediate assistance is available in case of accident or emergency.
2. Always use protective eyewear when using this product: contact with battery acid may cause blindness and/or severe burns. Be aware of first aid procedures in case of accidental contact with battery acid.
3. There is a risk of releasing explosive gases when lead acid batteries are charged or discharged. Failure to follow instructions may cause property damage and/or personal injury.
4. When connecting the battery clamps to a discharged battery and an alarm sounds — the clamp connections are incorrect and need to be reversed.
5. Jump-start procedures should only be performed in a safe, dry, well-ventilated area.
6. Always store battery clamps on the clamp tabs on the back of the unit when not in use. Never touch battery clamps together. This can cause dangerous sparks, power arcing and/or explosion.
7. When using this unit close to the vehicle's battery and engine, stand the unit on a flat, stable surface, and be sure to keep all clamps, cords, clothing and body parts away from moving vehicle parts.
8. Do not wear vinyl clothing when jump-starting a vehicle, friction can cause dangerous static-electrical sparks. Remove all jewelry or metal objects that could cause short circuits or react with battery acid.
9. Never allow RED and BLACK clamps to touch each other or another common metal conductor — this could cause damage to the unit and/or create a sparking/explosion hazard.
10. a. For negative-grounded systems (most common), connect the POSITIVE (RED) clamp to the POSITIVE ungrounded battery post and the NEGATIVE (BLACK) clamp to the vehicle chassis or engine block away from the battery. Do not connect the clamp to the carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gauge metal part of the frame or engine block.
    b. For positive-grounded systems, connect the NEGATIVE (BLACK) clamp to the NEGATIVE ungrounded battery post and the POSITIVE (RED) clamp to the vehicle chassis or engine block away from the battery. Do not connect the clamp to the carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gauge metal part of the frame or engine block.
11. Always disconnect the NEGATIVE (BLACK) jumper cable first, followed by the POSITIVE (RED) jumper cable, except for positive grounded systems.
12. Do not expose battery to fire or intense heat since it may explode. Before disposing of the battery, protect exposed terminals with heavy-duty electrical tape to prevent shorting (shorting can result in injury or fire).
13. Do not smoke or use flammable items (matches, cigarette lighters, etc.) while working on a vehicle's battery system.
14. DO NOT ATTEMPT TO JUMP-START A FROZEN BATTERY.
15. Place this unit as far away from the battery as DC cables permit.
16. Never allow battery acid to come in contact with this unit.
17. Vehicles that have on-board computerized systems may be damaged if vehicle battery is jump-started. Before jump-starting, read the vehicle's owners manual to confirm that external-starting assistance is suitable.

## Compressor/Inflator Safety

1. Never attempt to disable or block the inflation and deflation ports while pump is operating.
2. Never cover unit at any time.
3. Never leave the pump unattended while in use.
4. Never allow sand, small rocks or other debris to be sucked into the inflation or deflation ports.
5. Never look into or point the inflator port opening toward anyone's eyes.
6. Do not use the compressor continuously for longer than 15 minutes. Extended use will cause it to overheat and can damage the product. After 15 minutes of continuous use, turn the unit OFF and wait 15 minutes before resuming operation of the compressor.
7. DO NOT over-inflate objects or exceed manufacturer's recommendations for pressure on objects to be inflated.

## Personal Safety

FIRST AID

SKIN: If battery acid comes in contact with skin, rinse immediately with water, then wash thoroughly with soap and water. If redness, pain or irritation occurs, seek immediate medical attention.

EYES: If battery acid comes in contact with eyes, flush eyes immediately for a minimum of 15 minutes and seek immediate medical attention.

**CAUTIONS**

- THIS UNIT IS DELIVERED IN A PARTIALLY CHARGED STATE – YOU MUST FULLY CHARGE IT USING THE 120 VOLT AC CHARGING METHOD FOR A MINIMUM OF 40 HOURS BEFORE USING IT FOR THE FIRST TIME.
- Do not overcharge this unit using the 12 volt DC charging method. Charge for no longer than 4 hours using this method.
- All ON/OFF switches should be in the OFF position when the unit is charging or not in use. Make sure all switches are in the OFF position before connection to a power source or load.
- Never insert anything other than the supplied power/recharging cords or recommended appliance power/recharging cords into the 12 volt DC charging/power outlet on this unit. Do not use any accessory that is not recommended or provided by the manufacturer.
- Do not use this unit to operate appliances that need more than 5 amps to operate from the 12 volt DC accessory outlet.
- This system is designed to be used only on vehicles with a 12 volt DC battery system. Do not connect to a 6 volt or 24 volt battery system.
- This system is not designed to be used as a replacement for a vehicle battery. Do not attempt to operate a vehicle that does not have a battery installed.
- Excessive engine cranking can damage a vehicle's starter motor. If the engine fails to start after the recommended number of attempts, discontinue jump-start procedures and look for other problems that may need to be corrected.
- Although this unit contains a non-spillable battery, it is recommended that unit be kept upright during storage, use and recharging. To avoid possible damage that may shorten the unit's working life, protect it from direct sunlight, direct heat and/or moisture.
- Check unit periodically for wear and tear. Contact the Customer Service Department at (800) 618-5178 to replace worn or defective parts.
- Do not drop this unit as it may damage the product. If unit is dropped or damaged, please discontinue using it.
- Never submerge this unit in water.
- Store indoors. Do not operate unit in rain or snow, or use when wet.
- Do not operate this unit in a closed area or restrict ventilation in any way.
- Never insert a vehicle cigarette lighter into the unit's 12 Volt DC Accessory Outlet.

THIS UNIT IS NOT FOR USE BY CHILDREN AND SHOULD ONLY BE OPERATED BY ADULTS.

**Read This User's Manual Before Using This Unit.**

## SAVE THESE INSTRUCTIONS

**TWO YEAR LIMITED WARRANTY PROGRAM**

This limited warranty program is the only one that applies to this product, and it sets forth all the responsibilities of Vector Products, Inc., regarding this product. There is no other warranty, other than those described herein. Any implied warranty of merchantability or fitness for a particular purpose on this product is limited in duration to the duration of this warranty.

This Vector Products, Inc. product is warranted, to the original purchaser only, to be free of defects in materials and workmanship for two years from the date of purchase without additional charge. The warranty does not extend to subsequent purchasers or users. Manufacturer will not be responsible for any amount of damage in excess of the retail purchase price of the product under any circumstances. Incidental and consequential damages are specifically excluded from coverage under this warranty.

This product is not intended for commercial use. This warranty does not apply to damage to units from misuse or incorrect installation/connection. Misuse includes wiring or connecting to improper polarity power sources.

RETURN/REPAIR POLICY: Defective products may be returned to manufacturer. Any defective product that is returned to manufacturer within 30 days of the date of purchase will be replaced free of charge. If such a product is returned more than 30 days but less than two years from the purchase date, manufacturer will repair the unit or, at its option, replace it, free of charge.

If the unit is repaired, new or reconditioned replacement parts may be used, at manufacturer's option. A unit may be replaced with a new or reconditioned unit of the same or comparable design. The repaired or replaced unit will then be warranted under the terms of the remainder of the warranty period. The customer is responsible for the shipping charges on all returned items. During the warranty period, manufacturer will be responsible for the return shipping charges to the customer in the United States.

LIMITATIONS: This warranty does not cover accessories, such as charging adapters, bulbs, fuses and batteries, damage or defects resulting from normal wear and tear (including chips, scratches, abrasions, discoloration or fading due to usage or exposure to sunlight), accidents, damage during shipping to our service facility, alterations, unauthorized use or repair, neglect, misuse, abuse, failure to follow instructions for care and maintenance, fire, flood and Acts of God.

If your problem is not covered by this warranty, call our Technical Support Department at (800) 618-5178 for general repair information and charges if applicable. You may also contact us through our website at www.vectormfg.com.

STATE LAW RIGHTS: This warranty gives you specific legal rights. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the exclusions or limitations stated herein may not apply. This warranty gives the purchaser specific legal rights; other rights, which vary from state to state, may apply.

TO REQUEST WARRANTY SERVICE FOR THIS PRODUCT: Contact Technical Support by telephone, fax or mail (see below). We suggest that you keep the original packaging in case you need to ship the unit. When returning a product, include your name, address, phone number, dated sales receipt (or copy) and a description of the reason for return and product serial number. After repairing or replacing the unit, we will make every effort to return it to you within four weeks.

WARRANTY ACTIVATION: Please complete Warranty Activation Card and mail to Vector Products, Inc.. Enter "VEC1031CBD" as Model and "START-IT® Jump-Starter/Inflator" as Product Type. All Vector products must be registered within 30 days of purchase to activate this warranty. Mail the completed registration form, along with a copy of the original sales receipt, to:

ATTN.: CUSTOMER SERVICE
4140 SW 30th Ave., Ft. Lauderdale, FL 33312
• TOLL FREE: (800) 618-5178 •

WARRANTY IS NON-TRANSFERABLE.

BD032906

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MADE IN CHINA

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## INTRODUCTION

Thank you for choosing the ***Black & Decker Jump-Starter/Inflator/Rechargeable Power Supply.*** This compact jump-starter is unique in the amount of energy it can supply for its size. The internal battery is a high density sealed, lead-acid battery that stores and delivers energy comparable to full sized ordinary jump-starters. Please read this guide carefully before use to ensure optimum performance and avoid damage to the unit or items you are using it with.

The ***VEC1031CBD*** is a compact, durable, portable jump-start system for vehicles that have a standard 12 volt battery system. This self-contained, rechargeable system will start most vehicles without the need for a host vehicle or 120 volt AC power supply. It can also be used as a safe, portable source of 12 volt DC electric power in remote locations and/or emergency situations. It is ideal for use with 12 volt DC cordless, rechargeable products and DC/AC power inverters.

## FEATURES

- Keyless ON/OFF Power Switch
- Cordless/rechargeable, includes AC and DC charging adapters
- Built-in non-spillable, maintenance-free, heavy duty, 9 amp/hour, sealed, lead-acid battery
- Requires no maintenance (other than recharging) for optimum operation
- Heavy duty, industrial grade copper clamps, and #6 AWG jumper cables with exclusive recessed cable holsters
- 120 volt AC charger is listed by Underwriter Laboratories
- Easy-to-read Battery Status LED Indicators

- Alternator Check
- Built-in portable inflator for vehicle tires, trailer tires and recreational inflatables
- Reverse polarity protection
- ETL listed

### Battery Charge Status LED Indicators

A series of four LED indicators (three red and one green) display the level of charge in the battery. The right red LED indicates minimum battery charge. Charge the battery when only a single red LED is lit. The center red LEDs indicate moderate battery charge level. When the green LED is lit, the battery is at full charge. The Charge Status LEDs will light when the Battery Status Check Pushbutton is pressed, or automatically during AC charging. During DC recharging, the Battery Status Check Pushbutton can be pressed periodically to monitor recharging progress.

### 12 Volt DC Accessory Outlet

This accessory outlet, covered by a rubber cap, powers and recharges appliances that are 12 volt DC compatible. The 12 Volt DC Accessory Outlet is also used for DC recharging from a vehicle or other 12 volt source.

### 120 Volt AC Recharging Port

The AC Recharging Port is also covered by a rubber cap. The 120 Volt AC Charging Adapter's barrel connector plugs into this port during recharge.

### Emergency LED Area Light

Located on the center of the control panel, the Emergency LED Area Light provides proper lighting while changing a tire or connecting the unit to a battery.

### Applications

- Jump-start most engines with standard 12 volt DC battery systems, such as small trucks, cars, RVs, tractors, etc.
- Using the 12 volt accessory outlet, operate such appliances as 12 volt DC fans, fluorescent worklights, spotlights, TVs, portable radios or CD players; and quick-charge a cell phone using the phone's 12 volt DC adapter cord.
- Illuminate areas under the hood, inside tents and work areas.
- Inflate tires, air mattresses, basketballs, volleyballs, and more.



## USING THE EMERGENCY LED AREA LIGHT

The area light is controlled by the Area Light Power Switch (see the diagram above). Make sure the lamp is turned OFF when the unit is being recharged or stored.

## USING THE JUMP-STARTER

This Jump-Starter is equipped with a keyless Power Switch that only allows energy to flow when proper connections are made to battery and frame. Once the connections are properly made, turn the switch ON to jump-start the vehicle.

1. Turn OFF vehicle ignition and all accessories (radio, A/C, lights, connected cell phone chargers, etc.). Place vehicle in "park" and set the emergency brake.
2. Make sure the Jump-Starter Power Switch is turned to OFF.
3. Remove jumper clamps from clamp tabs. **Connect the red clamp first, then the black clamp.**
4. Procedure for jump-starting a NEGATIVE GROUNDED SYSTEM (negative battery terminal is connected to chassis) (MOST COMMON)
   - 4a. Connect POSITIVE (+) RED clamp to vehicle battery's POSITIVE terminal.
   - 4b. Connect NEGATIVE (–) BLACK clamp to chassis or a solid, non-moving, metal vehicle component or body part. NEVER CLAMP DIRECTLY TO NEGATIVE BATTERY TERMINAL OR MOVING PART.
5. Procedure for jump-starting POSITIVE GROUNDED SYSTEMS

   ***Note: In the rare event that the vehicle to be started has a POSITIVE GROUND SYSTEM (positive battery terminal is connected to chassis), replace steps 4a and 4b above with steps 5a and 5b, then proceed to step 6.***

   - 5a. Connect NEGATIVE (–) BLACK clamp to vehicle battery's NEGATIVE terminal.
   - 5b. Connect POSITIVE (+) RED CLAMP to vehicle chassis or a solid, non-moving, metal vehicle component or body part. NEVER CLAMP DIRECTLY TO POSITIVE BATTERY TERMINAL OR MOVING PART.
6. When clamps are connected properly, turn the Jump-Starter Power Switch to ON.
7. Turn ON the ignition and crank the engine in 5-6 second bursts until engine starts.
8. Turn the Jump-Starter Power Switch back to the OFF position.
9. Disconnect the NEGATIVE (–) engine or chassis clamp first, then disconnect the POSITIVE (+) battery clamp.

**FOLLOW ALL DIRECTIONS FOUND IN THE IMPORTANT SAFETY INSTRUCTIONS SECTION AT THE BEGINNING OF THIS USER'S MANUAL.**

### ⚠ WARNINGS

- **Jump-Starter Power Switch should be OFF prior to jump-starting.**
- **This power system is to be used ONLY on vehicles or boats with 12 volt DC battery systems.**
- **Never touch RED and BLACK clamps together — this can cause dangerous sparks, power arcing, and/or explosion.**
- **Vehicles that have on-board computerized systems may be damaged if vehicle battery is jump-started. Before jump-starting this type of vehicle, read the vehicle manual to confirm that external-starting assistance is advised.**
- **Excessive engine cranking can damage the vehicle's starter motor. If the engine fails to start after the recommended number of attempts,**

**discontinue jump-start procedure and look for other problems that need to be corrected.**

- **After use, turn the Jump-Starter Power Switch OFF.**
- **Replace worn or defective parts immediately — contact the Customer Service Department toll free (800) 618-5178.**

### ⚠ CAUTIONS

- If the audible Reverse Connection Polarity Alarm sounds after clamps are connected to vehicle battery, turn the unit OFF and reverse clamp connections before continuing.
- If vehicle fails to start, turn OFF the ignition, turn OFF the Jump-Starter Power Switch, disconnect the jump-start system's leads and investigate why the engine did not start.
- Recharge this unit fully after each use.

## USING THE ALTERNATOR CHECK FEATURE

1. Make sure the Jump-Starter Power Switch is turned to OFF.
2. Remove jumper clamps from clamp tabs and connect to vehicle (refer to the "Using the Jump-Starter" section for notes about polarity).
3. Start the engine.
4. Turn all vehicle accessories OFF.
5. Turn the Jump-Starter Power Switch to ON.
6. Observe the Alternator Check Indicator. A solid green LED indicates a good alternator. A solid red LED indicates a bad alternator.

## USING THE 12 VOLT DC PORTABLE POWER SUPPLY

This portable power source is also for use with all 12 volt DC accessories equipped with a male accessory outlet plug that are rated up to 5 amps.

1. Lift up the cover of the unit's 12 Volt DC Accessory Outlet.
2. Insert the 12 volt DC plug from the appliance into the 12 volt accessory outlet on the unit.
3. Switch on the appliance and operate as usual.
4. Periodically press the Battery Charge Level Pushbutton to check battery status.

### ⚠ CAUTION

Make sure the Jump-Starter Power Switch is ALWAYS in the OFF position when using the unit's 12 Volt DC Accessory Outlet.

DO NOT operate appliances that draw more than 5 amps.

## USING THE PORTABLE INFLATOR

The built-in 12 volt DC inflator is the ultimate inflator for all vehicle tires, trailer tires and recreational inflatables. Three different sized nozzles are supplied. Each nozzle will clip on the end of the standard tire valve connector located at the free end of the inflator hose. The inflator nozzles are stored inside the hose hatch. The inflator hose with tire fitting is stored in a retaining channel between the jumper cable channels on the rear of the unit. The inflator can operate long enough to fill up to 3 average sized tires before the battery must be recharged.

The inflator may be used by removing the air hose from the storage hatch and if



required, fitting an appropriate nozzle to the air hose. An On/Off Switch located on the back of the unit controls the power to the Inflator and the Pressure Gauge light. Refer to the diagram on page 2 for locations of inflator hose and nozzle storage hatch. Return hose to the storage compartment after use.

### ⚠ WARNINGS

- **The inflator is capable of inflating up to 120 pounds per square inch (psi) pressure. To avoid over-inflation, carefully follow instructions on articles to be inflated. Never exceed recommended pressures. Bursting articles can cause serious injury.**
- **Always check pressure with the pressure gauge.**
- **Never leave the inflator unattended while in use.**

### ⚠ CAUTION

Do not operate inflator continuously for extended periods of time (approximately 15 minutes, depending on ambient temperatures), as it may overheat. In such event, inflator will automatically shut down and restart after a cooling down period of approximately 15 minutes.

### Inflating Tires or Products With Valve Stems

1. Place connector (chuck) on valve stem.
2. Ensure connector is pushed on to valve stem as far as possible before closing thumb latch.
3. Make sure latch is secure.
4. Turn ON the Inflator Power Switch.
5. Check pressure with the pressure gauge.
6. When desired pressure is reached, open thumb latch and remove connector from valve stem.
7. Turn OFF Inflator Power Switch.
8. Allow unit to cool before storing away.
9. Store inflator hose and tire fitting in storage compartment.

### Inflating Other Inflatables Without Valve Stems

Inflation of other items requires use of one of the adapters (nozzles).

1. Select the appropriate nozzle, located in the storage compartment on the back of the unit.
2. Insert appropriate adapter (i.e. needle) into connector (chuck) and close thumb latch.
3. Insert adapter (i.e., needle) into item to inflate to appropriate pressure.
4. Turn ON the Inflator Power Switch — inflate to desired pressure or fullness.
5. Switch the Inflator Power Switch OFF.
6. Remove adapter.
7. Recharge the unit before storing away.

## CARE AND MAINTENANCE

This product has a sealed lead acid battery that should be kept fully charged. Recharge before first use, immediately after each use, and every 60 days if not used. Failure to do this may reduce battery life dramatically.

***Note:*** ***This unit is delivered in a partially charged state – you must fully charge it before using it for the first time. Initial AC charge should be 40 hours.***

## Charging/Recharging

Lead-acid batteries require routine maintenance to ensure a full charge and long battery life. All batteries lose energy from self-discharge over time and more rapidly when they are at higher temperatures. Therefore, batteries need periodic charging to replace energy lost through self-discharge. When the unit is not in frequent use, Black & Decker recommends the battery be recharged at least every 60 days.

Check the battery charge level by pressing the battery status button. The LED charge status display will indicate the level of battery charge. When only one red LED lights, recharge the unit.

***Note:*** ***Recharging battery after each use will prolong battery life; frequent heavy discharges between recharges and/or overcharging will reduce battery life.***

The battery can be recharged using either the AC or DC Charging Adapter (see below).

### ⚠ CAUTION

**Make sure the ON/OFF Power Switch and Emergency Area Light are turned OFF during recharging, as this may slow the recharge function.**

### *120 Volt AC Charging/Recharging*

The 120 Volt AC Charging Adapter is a UL listed "wall" type unit that operates from any 120 volt, 60 Hz AC supply that has a standard North American outlet. The adapter has a barrel connector that plugs into the unit's 120 Volt Recharging Port.

Make sure the Jump-Starter Power Switch and Area Light Power Switch are turned OFF during AC charging/recharging. When the 120 Volt AC Charging Adapter is plugged into the 120 Volt AC Recharging Port, the Battery Charge Status LED Indicators will automatically light. As recharge progresses, the red LEDs will light, one by one. Charge the unit until the green FULL LED indicator flashes. Continue to recharge for one to two hours, then disconnect the Charging Adapter. The AC recharge system is an automatic taper charge and can be left connected to the main unit for long periods (the unit cannot be "overcharged" using this method).

### *12 Volt DC Charging/Recharging*

Charging the Jump-Starter/Inflator from an external 12 volt DC power source requires the use of the 12 Volt DC adapter. This adapter has a male DC connector at each end.

Unlike the AC recharge method, DC recharge does NOT automatically activate the Battery Status LED display. Battery status can still be monitored by pressing the battery status level pushbutton.

### ⚠ WARNINGS

- **DO NOT charge using the 12 volt DC method for more than 4 hours maximum.**
- **DO NOT leave the unit unattended while charging using this method.**

1. Insert the gold-tipped 12 Volt DC Charging Adapter plug into the vehicle's 12 volt DC accessory outlet.
2. Insert the silver-tipped end plug into the 12 volt DC accessory outlet on the front panel of the unit.
3. Charge the unit until the green FULL indicator lights when the battery status level pushbutton is pressed. DO NOT EXCEED 4 HOURS MAXIMUM.
4. When charging is complete, remove the charging cord and store in a safe place.

***Notes:*** ***Make sure the ON/OFF Safety Switch and Area Light are turned OFF during recharge as this may slow the recharging process.***

***Some vehicles require that the ignition be switched to the accessory outlet position in order to power the accessory outlet.***

## Replacement Parts

For replacement parts (batteries, charging adapters, etc.), contact Black & Decker Technical Support: toll free (800) 618-5178. There are no user serviceable parts inside the unit. Periodically, the cables and connectors should be inspected for damage, corrosion, dust, and dirt. If surfaces are dirty, they can be wiped clean with a cloth moistened with water and a drop of detergent. Contacts can be wiped clean with a dry cloth.

### ⚠ WARNING

**Do not operate unit if there is any evidence of damage. The product must be returned to Black & Decker for testing and repair. Replace any damaged charging adapters immediately before further use.**

## Fuse Replacement (12 Volt DC Charging Adapter)

1. Remove the plug from the accessory outlet. Remove the gold cap by turning counterclockwise and lifting off.
2. Remove the center pin and spring. Remove the fuse.
3. Replace the fuse with a same type and size fuse (8 amp).
4. Replace the center pin and spring inside the plug.
5. Replace the gold cap by turning clockwise onto the plug.

## Battery Disposal

Contains a maintenance-free, sealed, non-spillable, lead acid battery, which must be disposed of properly. Recycling is required — contact your local authority for information. Failure to comply with local, state and federal regulations can result in fines or imprisonment. For more information on recycling this battery, call toll-free (800) 822-8837.

### ⚠ WARNINGS

**Do not dispose of the battery in fire, as this may result in an explosion.**

**Before disposing of the battery, protect exposed terminals with heavy-duty electrical tape to prevent shorting (shorting can result in injury or fire).**

**Do not expose battery to fire or intense heat, as it may explode.**